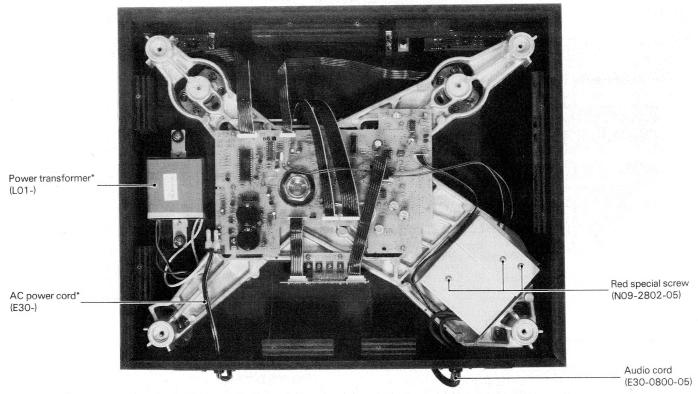
KD-8030 SERVICE MANUAL

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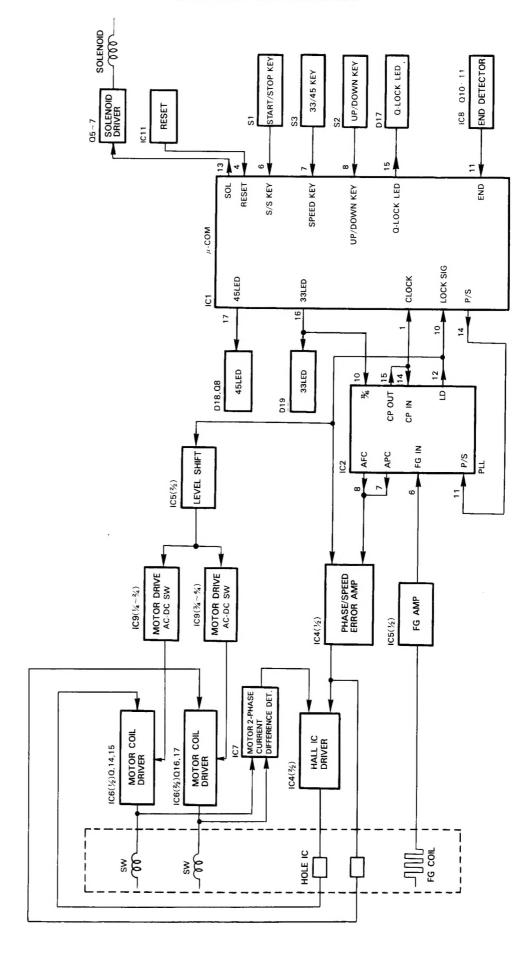


Use the red special screw only for shield case.

*Refer to Parts List on page 12.

KD-8030

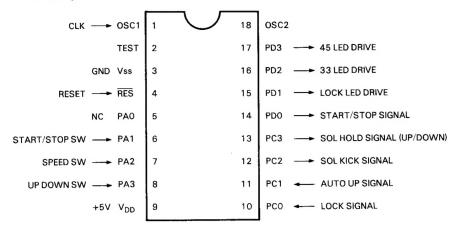
BLOCK DIAGRAM



CIRCUIT DESCRIPTION

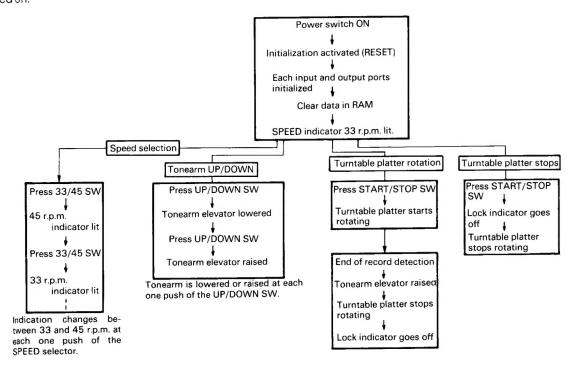
Microprocessor Operation Description (LC6528C-4053)

Port description



• Operation specifications

The following diagram shows the operations of each section which occur at each operating point after power has been turned on.



Condition of each LC6528C-4053

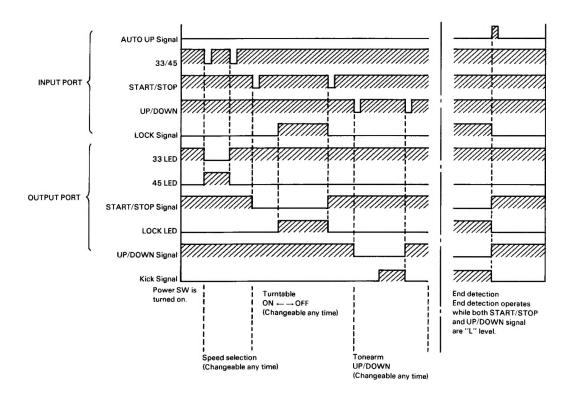
- (1) Initialization (Power ON)
- (2) Speed selection (33/45 rpm)
- (3) Turntable platter starts rotating (START)
- (4) Tonearm auto up
- (5) Turntable platter stops rotating (STOP)

The above mentioned (1) ~(5) are placed in the order of the functions described in "LC6528C-4053 Function description". The conditions shown in the table below are also in that order so that functions can be confirmed while checking the IC's ports.

				INPU'	Γ PORT				О	UTPUT	PORT		
F	PIN NO.	7	6	11	5	8	10	16	15	17	14	13	12
	PORT NAME	33/45 S W	START STOP SW	AUTO UP Signal	Not used	UP DOWN SW	LOCK Signal	33rpm LED	LOCK LED	45rpm LED	START STOP Signal		Kick Signal
(1)	Power ON RESET		 									1	
(2)	33/45 SW ON (45) 33/45 SW ON (33)				1								
(3)	START/STOP SW ON		<u> </u>		i i		<u>. </u>	1	1		<u> </u>		
(4)	Auto up signal IN START/STOP SW ON							1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u> </u>		
(5)	START/STOP SW ON					<u>.</u>		1					

I/O port timing diagram

(Note) This diagram shows the timing for operation (1) to (5)



KD-8030 KD-8030

ITEM CARTON CASE (H01-8922-04)

ADJUSTMENT/REGLAGES/ABGLEICH

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TURNTABLE SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
				Set the stylus tip so that			
	END DETECT		Connect a DC	57.5mm is obtained from			
1	STARTING	_	voltmeter to TP1	the center of the	VR1	0.97	(a)
	POSITION		(Pin 7 of IC8)	turntable spindle.			
			Connect a DC				
2	THRESHOLD		voltmeter to TP2	_	VR2	2 2 0 m V	(b)
	VOLTAGE		(Pin 2 of IC8)				

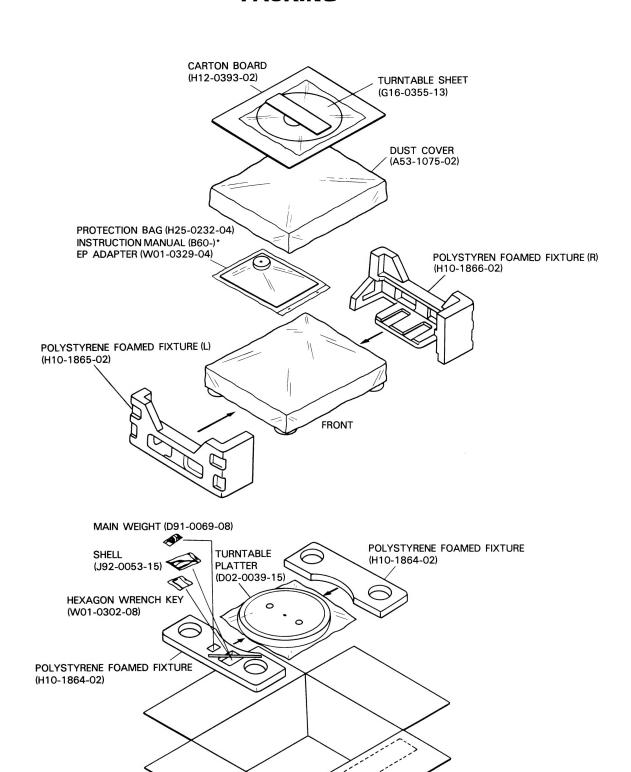
REGLAGES

		REGLAGE DE	REGLAGE DE	REGLAGE DE	POINTS	AL LONDO DOUD	DIO
Ν°	ITEM	L'ENTREE	LA SORTIE	TOURNE-DISQUE	L'ALIGNMENT	ALIGNER POUR	FIG.
1	POSITION DE DEPART LA TERMINASION DE DETECTEUR	_	Connecteur un voltmètre CC a TP1 (Fiche 7 de IC8)	Régler la crête de aiguille de facon de 57,5mm soit obtener de centre de plateau à disques.	VR1	0,9V	(a)
2	TENTION DE SEUIL	_	Connecteur un voltmètre CC à TP2 (Fiche 2 de IC8)	_	VR2	220mV	(b)

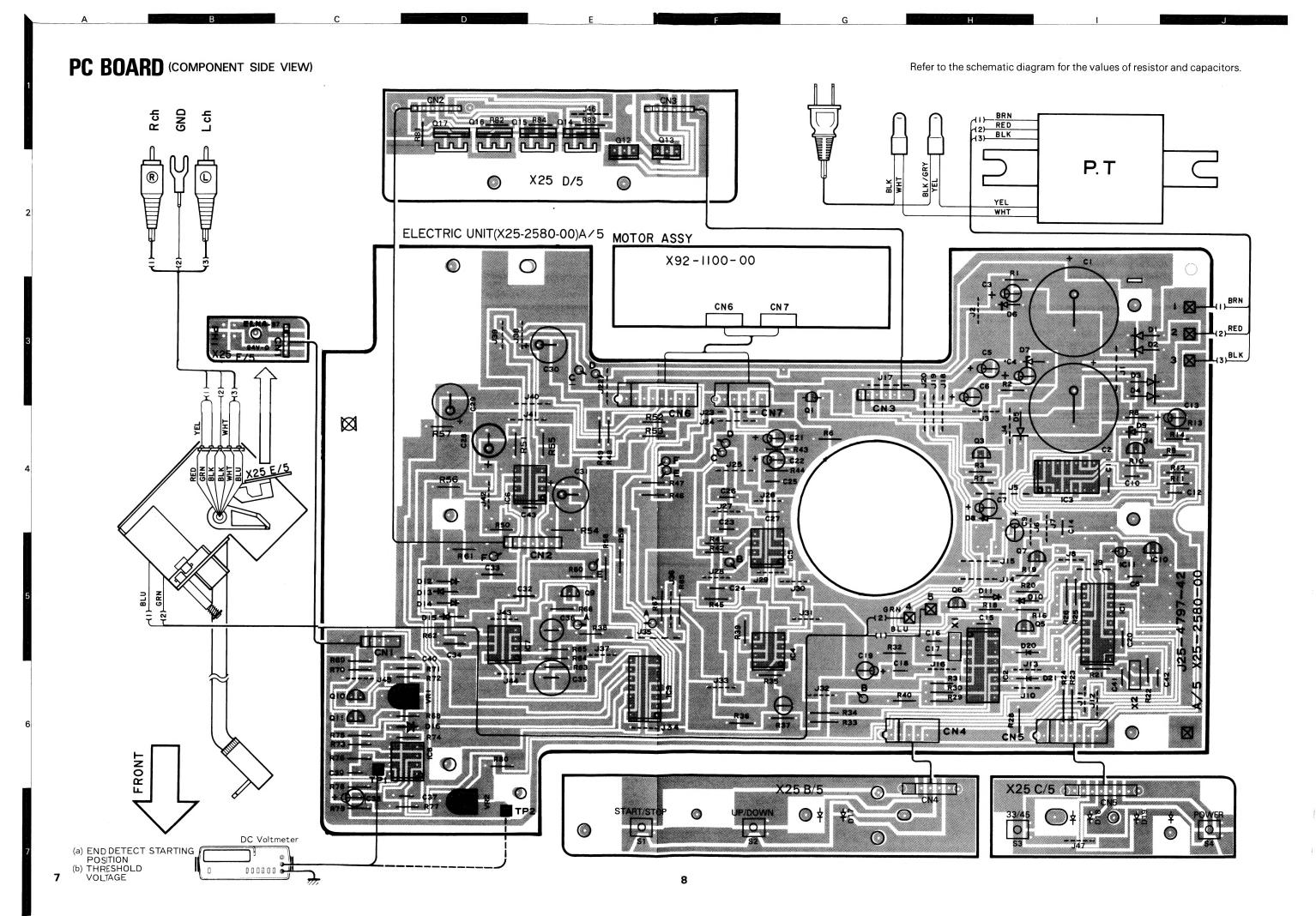
ABGLEICH

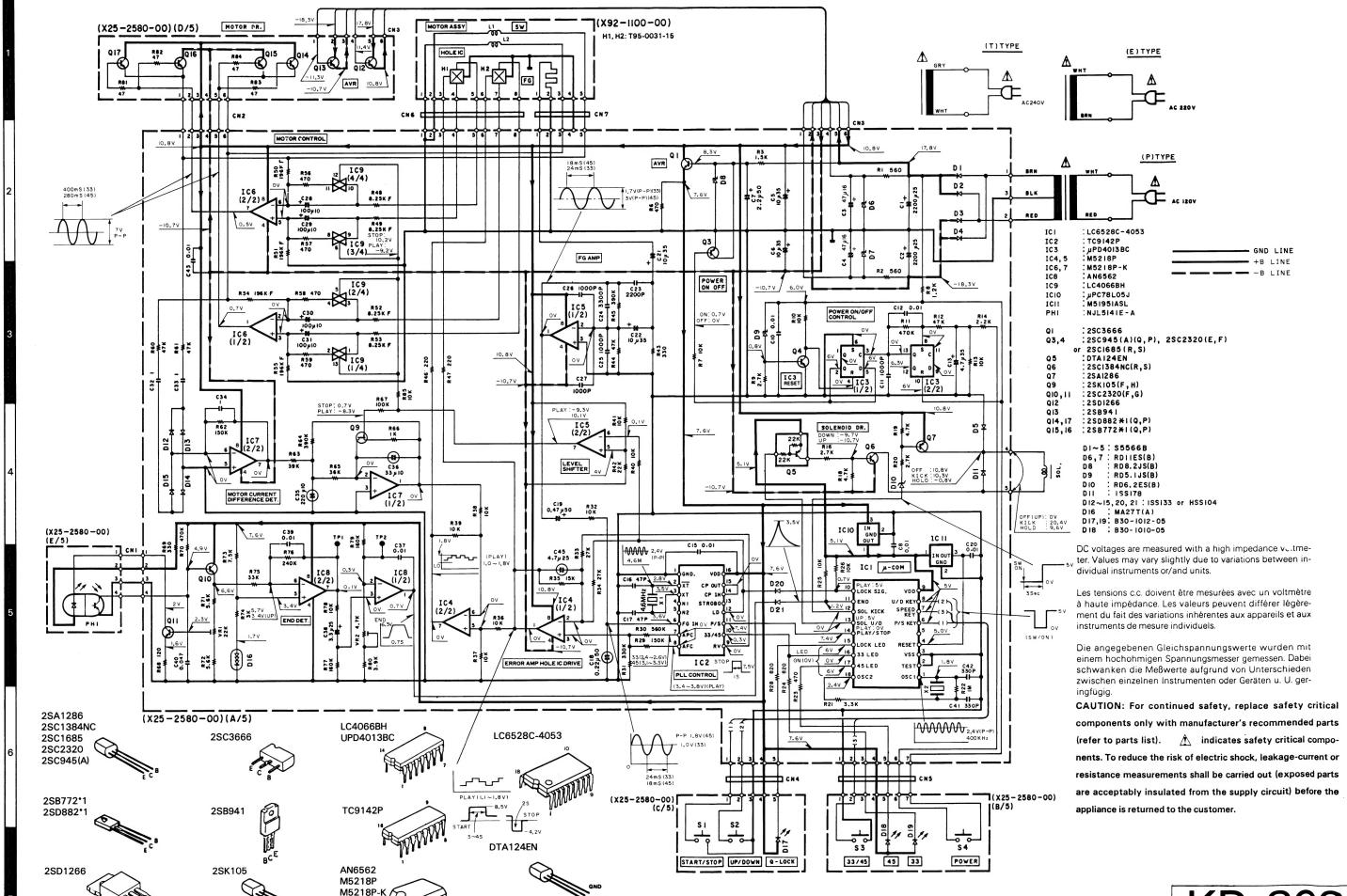
	LEIOII						
		EINGANGS-	AUSGANGS-	PLATTEN SPIELER-	ABGLEICH		
NR.	GEGENSTAND	EINSTELLUNG	EINSTELLUNG	EINSTELLUNG	PUNKTE	ABGLEICHEN FüR	ABB.
			Einen	Der spitze von Tonabnehmer			
	ENDE DETEKTS		Gleichspannungs	so einstellen, daß ein			
1	ANFANGS-	_	messer zum TP1	57,5mm aus der mitte des	VR1	0,9V	(a)
	STELLUNG		(Stift 7 von IC8)	Plattentellers erhält			
			anschließen.	wird.			
			Einen				
			Gleichspannungs				
2	SCHWELLEN-	_	messer zum TP2	_	VR2	220mV	(b)
	SPANNUNG		(Stift 2 von IC8)				
			anschließen.				

PACKING



KENWOOD







KD-8030 KD-8030

Re-marks

2B 11A 11A 2A 2A 2A 2A 2A

53 53 54 54 54 54 54 54

EXPLODED VIEW (MAIN UNIT)

PARTS LIST

TRUSS HEAD MACHINE SCH BRAZIER HEAD TAPPING S BINDING HEAD TAPTITE S SET SCREW BRAZIER HEAD TAPTITE S

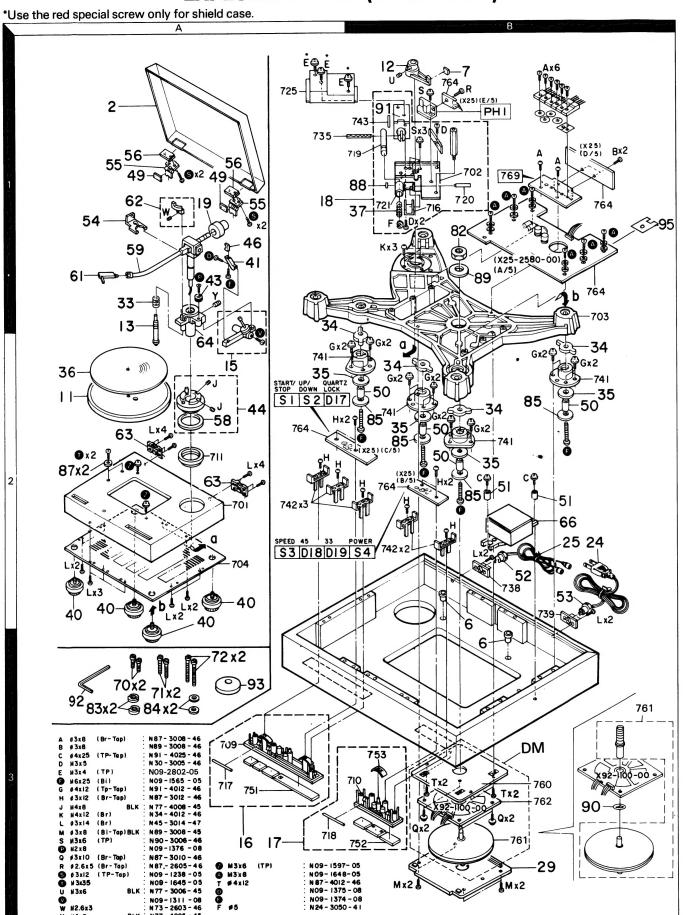
2B 2B

2B

440 OCCUU FFOID XIEGO KNNHH D>3>

22 A 2 A 2 A 2

SCREW(M2.6X SCREW(M2.6X SCREW(M2.6X



Parts with the exploded numbers larger than 700 are not supplied.

•								NO.Z
*	* New Parts							* New Parts
Par	ts without	Parts No. a	are no	Parts without Parts No. are not supplied.				Parts without Parts No. are not sup
res	articles n	on mentlon	nes d	es articles non mentionnes dans le Parts No. ne sont pas fournis.	s fournis.			Les articles non mentionnes dans le
Tell	e ohne Pari	ts No. werd	len nik	Telle ohne Parts No. werden nicht geliefert.				Telle ohne Parts No. werden nicht ge
Œ	tef. No.	Addres	S New	Ref. No. Address New Parts No.	Description	Desti- Re-	Re-	
_	多照番号	台	¥6	参照集中 位 謂 差 整 母 集 电	哲 语 名人 態 格	#	金米	参照者号 位 價 新

Ref. No.	Address	New Part	Parts No.	Description	Desti-	Re-
幸 服 幸	中台	å ¥ 16	电车	郎 品 名/熊 祐	中面面	48.
			Y	KD-8030		
2	1 A		A53-1075-02	DUST COVER		
92	2B, 3B 1B		B09-0051-04 B19-0510-14 B46-0121-03 B46-0122-13 B46-0143-03	CAP Mirror Warraniy card Warraniy card	៤ោ⊢	
		*	B58-0290-04 B58-0386-04 B58-0518-04 B58-0519-04 B60-0307-00	CAUTION CARD CAUTION CARD CAUTION CARD CAUTION CARD INSTRUCTION MANUAL(ENGLISH)	P T	
		* *	B60-0308-00 B60-0309-00	INSTRUCTION MANUAL (FRENCH) INSTRUCTION MANUAL (G/D/I)	9. n	
1112	28 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	*	D02-0039-15 D10-0944-24 D21-1007-08 D39-0169-08 D40-0957-03	TURNTABLE PLATTER ARM SHAFT ASSY ANTI-SKATING DEVICE ASSY OPERATIONAL PART ASSY(OPERATE)		
17 18 19	3A 1A 1A		D40-0844-03 D40-0511-23 D91-0069-08	OPERATIONAL PART ASSY(POWER) AUTO-UP MECHANISM ASSY MAIN WEICHT		
2222 2444 5	8888 8888 8888		E30-0459-05 E30-0780-05 E30-1416-05 E30-0800-05	AC POWER CORD AC POWER CORD AC POWER CORD AUDIO CORD	m σ . ⊢	
29	38		F07-0483-03 F07-0574-08	COVER		
335 335 376	1A, 2B 2A, 2B 2A, 2B 1B		G01-1057-08 G11-1127-04 G11-1128-04 G16-0355-13 G01-1078-04	TORSION COIL SPRING CUSHION CUSHION TURNIABLE SHEET COMPRESSION SPRING		
		*	H01-8922-04 H10-1864-02 H10-1865-02 H10-1866-02 H12-0393-02	ITEM CARTON CASE POLYSTYRENE FOAMED FIXTURE(T.T POLYSTYRENE FOAMED FIXTURE(L) POLYSTYRENE FOAMED FIXTURE(R) CARTON BOARD		
			H25-0029-14 H25-0029-04 H25-0232-04	PROTECTION COVER PROTECTION BAC (60X110) PROTECTION BAG (235X350X0.03)		
44 44 44	2A 11A 2A		J21-2302-05 J02-0346-13 J19-0812-08 J19-0814-08 J19-2580-08	HØLDER INSULATOR ASSY HØLDER RESTI HØLDER WITRE GUIDE) TØNEARM BASE ASSY		
44 50 52 52	11A 28 28 28		J19-2614-08 J30-0183-05 J31-0263-05 J31-0273-05 J41-0033-05	TONEARM REST (38X15X1.6) SPACER (38X15X1.6) COLLAR COLLAR POWER CORD BUSHING(AUDIO CORD)		

666 666 666 666 667 771 771 772 883 883 893 90

KD-803

PARTS LIST

ICCMICROPROCESSOR)
ICCGUARTZ PLL MOTOR CONTROL)
ICCO FLIP-FLOP X2)
ICCOP AMP X2)
ICCOP AMP X2)

LC6528C-4053 TC9142P UPD4013BC M5218P M5218P-K

2,5

1023

DIØDE DIØDE VARISTØR DIØDE DIØDE

HSS104 1SS133 MA27T(A) HSS104 1SS133

-15 -15

,21

012 012 020 020

ICCOP AMP X2)
ICCBLATERAL SWITCH X4)
ICCVOLTAGE RECULATOR/ +5V)
ICCSYSTEM RESET)
PHOTO TRANSISTOR

AN6562 LC4066BH UPC78L05J M51951ASL NJL5141E-A

IC8 IC9 IC10 IC11

18

TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR

2SC3666 2SC1685(R,S) 2SC2320(E,F) 2SC945(A)(Q,P) DTA124EN

TRANSISTOR TRANSISTOR FET TRANSISTOR TRANSISTOR

2SC1384NC(R,S) 2SA1286 2SK105(F,H) 2SC2320(F,G) 2SD1266

MOTOR ASS'Y (X92-1100-00)

TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR

25B941 25D882*1(Q,P) 25B772*1(Q,P) 25D882*1(Q,P)

, 16

, 2 .2

H

HALL ELEMENT

T95-0031-15

No.3

Parts without Parts No. are not supplied. * New Parts

Les articles non mentionnes dans le Parts No. ne sont pas fournis. Teile ohne Parts No. werden nicht geliefert. Desti- Re-nation marks 在 向 藝术

品 名/規 Description

电路 等 电 Parts No.

Address New Parts 位 間 新

参照署号 Ref. No.

RD11ES(B) RD8.2JS(B) RD5.1JS(B) RD6.2ES(B) 1SS178

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

relie ohne Parts No. werden nicht gellefert. Parts without Parts No. are not supplied.

	Address New	Parts No.	Description		-ag
<u>a.</u>	Parts	都品青号	野 品 化一瓶 祐	nation 任 向	marks
		N09-1597-05	MACHINE SCREW (M6X22.2)		
		T94-0067-05	SOLENGID		
		W01-0302-08 W01-0329-04	HEXAGON WRENCH KEY EP ADAPTER		
_			RECT	^	
ļ		B30-1012-05 LE B30-1012-05 LE B30-1012-05 LE	II (XZ5-Z580-00) LED (QUARTZ LOCK) LED (45) LED (33)		
		C90-1358-05 CBO4KW1C470M CBO4KW1V100M CBO4KW1H2R2M CK45FF1H103Z	ELECTRO 2200UF 25WV ELECTRO 47UF 16WV ELECTRO 10UF 35WV ELECTRO 2.2UF 50WV CERAMIC 0.010UF Z		
		CK45FF1H103Z CK45FB1H102K CK45FF1H103Z CEO4KW1V4R7M CK45FF1H103Z	CERAMIC 0.010UF Z CERAMIC 1000PF K ELECTRO 4.7UF Z CERAMIC 0.010UF Z CERAMIC 0.010UF Z		
		CC45FSL1H470J C90-1456-05 CE04KW1HR47M CK45FF1H103Z CE04KW1V100M	CERAMIC 47PF J MP-ELEC 0.2UF 50WV ELECTRO 0.47UF 50WV CERAMIC 0.010 PF 35WV		
		CF92FV1H222J CF92FV1H332J CK45FB1H102K CE04GW1C101M CF92V1H105J	MF 2200PF J MF 3300PF J CERAMIC 1000PF K LL-ELEC 1000PF 16WV MF 1.0UF J		
		C90-1395-05 C90-1396-05 CK45FF1H103Z C90-1285-05 CK45FF1H103Z	NP-ELEC 220UF 10WV NP-ELEC 33UF 10WV CERAMIC 0.010UF Z ELECTRO 3.3UF 25WV CERAMIC 0.010UF Z		
		CK45FF1H473Z CC45FSL1H331J CK45FF1H103Z C90-1352-05	CERAMIC 0.047UF Z CERAMIC 330PF J CERAMIC 0.010UF Z NP-ELEC 4.7UF 25WV		
		E23-0125-05	TERMINAL (GND)		
		L77-0580-05 L78-0202-05	CRYSTAL RESONATOR(4.6MHZ) CRYSTAL RESONATOR		
		RN14BK2C8251F RN14BK2C1963F RN14BK2C8251F RN14BK2C1963F RN14BK2C1963F R12-3097-05	RN 8.25K F 1/6W RN 196K F 1/6W 8.25K F 1/6W RN 196K F 1/6W RN 196K F 1/6W TRIMMING PØT.(22K) END DETECT		
		R12-1069-05	TRIMMING POT. (4.7K) THRESHOLD		
		S40-1064-05	PUSH SWITCH		
		S5566B	DIQDE		

P: Canada
urope K: USA
E: Scandinavia & Europe K: USA

A indicates safety critical components.

Y: PX(Far East Hawaii) T: England M: Other Areas Y: AAFES (Europe)

A indicates safety critical components.

13

M: Other Areas

X: Australia

KD-803

SPECIFICATIONS

Motor and turntable Drive System..... Direct-drive system DC servo motor Aluminum alloy, Die-cast Wow & Flutter..... Less than 0.02% (WRMS) Less than 0.03% (DIN) Rumble...... DIN weighted better than -80 dBDIN unweighted better than

-55 dB

Tonearm	
Туре	Static-balance type, J-shape
	tonearm
Effective Tonearm Length.	245 mm (9-5/8")
Overhang	15 mm (9/16")
Tracking Error	
Tracking Force Range	0 to 3 grams (0.1 g Step)
Usable Cartridge Weight	2.0 to 12 grams (with supplied
	head-shell)
Miscellaneous	
Power Consumption	25 watts
Dimensions	W: 490 mm (19-5/16")
	H: 182 mm (7-3/16")
	D: 410 mm (16-5/32")

Note:

We follow a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the CANADA (P) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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